

BUSALOV, A.A.

Pavlovian preventive sleep therapy in pre- and postoperative periods.  
Zh. vyssh. nerv. deiat., Pavlova 1 no. 2:252-266 Mar-Apr 1951.

(CLML 22:5)

1. Department of Hospital Therapy, Yaroslavl' State Medical Institute.

BUSALOV, A. A;BALANDINA, A. S.

Novocain-pentothal anesthesia in gastric surgery. Khirurgiia,  
Moskva no.4:18-27 Apr. 1952. (CLML 22:2)

1. Of the Hospital Surgical Clinic (Director -- Prof. A. A.  
Busalov), Yaroslavl' Medical Institute.

BUSALOV, A. A.

Busalov, A. A.

"Resection of the stomach in ulcers." A. A. Busalov. Reviewed by A. N. Zakhudovskiy.  
Vest. Khir., 72, No. 3, 1952.

Monthly List of Russian Accessions, Library of Congress, October 1952. Unclassified.

BUSALOV, A.A.; professor, zaveduyushchiy; BAKULEV, A.N., professor, zasluzhennyj  
deyatel' nauki, direktor.

Pancreatoduodenal resection. Khirurgiia no.7:16-22 J1 '53. (MLRA 6:9)

1. Fakul'tetskaya khirurgicheskaya klinika II Moskovskogo meditsinskogo  
instituta imeni I.V.Stalina (for Bakul'ev); 2) Gospital'naya khirurgicheskaya  
klinika Yaroslavskogo meditsinskogo instituta (for Busalov).

(Pancreas--Cancer)

BUSALOV, A.A., professor.

Problem of a pulmonary abscess. Khirurgia no.1:136-142 Ja '54.  
(MLRA 7:5)

1. Zaveduyushchiy kafedroy fakul'tetskoy khirurgii Yaroslavskogo  
meditsinskogo instituta. (Lungs--Abscess)

BUSALOV, A.A.

Pavlov's theory of sleep therapy applied to surgical practice.  
Zhur. vys. nerv. deiat. 4 no.1:41-54 Ja-F '54. (MIRA 7:8)

1. Kafedra gospital'noy khirurgii Yaroslavskogo gosudarstvennogo  
meditsinskogo instituta.  
(SURGERY, OPERATIVE,  
\*sleep ther. in)  
(SLEEP, therapeutic use,  
\*in surg.)

3

BUSALOV, A. A.

The Committee on Stalin Prizes (of the Council of Ministers USSR) in the fields of science and inventions announces that the following scientific works, popular scientific books, and textbooks have been submitted for competition for Stalin Prizes for the years 1952 and 1953. (Sovetskaya Kultura, Moscow, No. 22-40, 20 Feb - 3 Apr 1954)

<u>Name</u>	<u>Title of Work</u>	<u>Nominated by</u>
Bakulev, A. N.		
Gulyayev, A. V.		
Kochergin, I. G.		
Busalov, A. A.		
Meshalkin, Ye. N.	"Notes on Clinical Operative Surgery"	Second Moscow Medical Institute imeni I. V. Stalin
Zhmur, V. A.		
Gerasimova, A. V.		
Vlasova, Ye. F.		
Meshalkin, I. N.		
Rukosuyev, S. G.		

SO: W-30604, 7 July 1954

BUSALOV, A.A. (Moscow)

"Influence of hospital surroundings on patients during the pre-  
and postoperative stage." S.A.Sergievskii. A.A.Busalov.

Khirurgia no.10:68-70 O '54.

(MLRA 8:1)

(SERGIEVSKII, S.A.)

(OPERATIONS, SURGICAL)

(HOSPITALS)

BUSALOV, A. A.

Summaries of papers presented at the XXVI Congress of Surgeons of the USSR, Moscow, 20 - 27 January 1955, included:

Some Physiological Principles of Pre-and Post-Operative Period Treatment.

A. A. BUSALOV

SOURCE: ~~SECRET//NOFORN~~-A-46013 (Official Publication) Unclassified.

BUSALOV, A.A., professor

Management of pre- and postoperative periods. Khirurgija no.2:  
51-57 F '55. (MLRA 8:5)

1. Klinika obshchey khirurgii (zav. prof. A.A.Busalov) II Moskovskogo meditsinskogo instituta imeni I.V.Stalina.

(POSTOPERATIVE CARE,

conduction)

(PREOPERATIVE CARE,

conduction)

USSR/Medicine - Surgery, congress

FD-2385

Card 1/1      Pub. 154-16/18

Author : Busalov, A. A.

Title : Physiological foundations of present day surgery (Results of 26th All-Union congress of surgeons)

Periodical : Zhur. vys. nerv. deyat., 5, 128-136, Jan/Feb 1955

Abstract : Clinicists and surgeons have found it difficult to determine typological peculiarities of higher nervous activity in different individuals. In many cases therapeutic sleep was prescribed where use of sleep producing drugs was contraindicated. The 26th All-Union congress of surgeons decided, therefore, that recourse to hypothermia deserves greater attention and that chairs of surgery must cooperate with physiologists and pathologists in developing proper methods of its application. Reports read at the conference revealed that protective inhibition in the form of hypnosis proved useful if employed immediately before and immediately after surgery. It was pointed out that use of protective inhibition in the form of therapeutic sleep must not be excluded entirely in medical practice; it must not be prescribed though where possibilities of extinction of vital functions are present.

Institution: --

Submitted : --

BUSALOV, A.A., professor; MIKAYELYAN, A.L.

Mechanical suture of the left auricle of the heart. Khirurgia  
no.8:16-22 Ag. '55. (MLRA 9:2)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (zav.-deystvitel'nyy  
chlen AMN SSSR prof. A.N. Bakulev) i kafedry obshchey khirurgii  
(zav. - prof. A.A. Busalov) II Moskovskogo meditsinskogo instituta  
imeni I.V. Stalina.

(HEART, surg.  
left auricle, mechanical suture)

BUSALOV, Aleksey Andreyevich

[Physiological basis of some problems in surgery] Fiziologicheskie  
obosnovaniia nekotorykh voprosov khirurgii. Moskva, Medgiz,  
1958. 223 p. (MIRA 12:6)

(PHYSIOLOGY) (SURGERY)

BAKULEV, A.N., prof., red.; BUSALOV, A.A., prof., red.; ZHMUR, V.A.,  
prof., red.; IVANITSKAYA, M.A., dots., red.; KOLESNIKOV, S.A.,  
doktor med. nauk, red.; SERGEYEV, V.M., red.; ZAKHAROVA, A.I.,  
tekhn. red.

[Transactions of the First Jubilee Scientific Session of the  
Institute for Chest Surgery of the Academy of Medical Sciences  
of the U.S.S.R.] Trudy 1-i iubileinoi nauchnoi sessii, 2-4  
dekabria 1957 g. Moskva, Pod red. A.A.Busalova. Moskva,  
Medgiz, 1959. 263 p. (MIRA 15:5)

1. Akademiya meditsinskikh nauk SSSR, Moscow. Institut grudnov  
khirurgii. 2. Deystvitel'nyy chlen Akademii meditsinskikh  
nauk SSSR, Institut grudnovoy khirurgii Akademii meditsinskikh  
nauk SSSR (for Bakulev). 3. Direktor fakul'tetskoy khirurgicheskoy  
kliniki Vtorogo Moskovskogo gosudarstvennogo meditsinskogo in-  
stituta imeni N.I.Pirogova (for Busalov). 4. Institut grudnovoy  
khirurgii Akademii meditsinskikh nauk SSSR (for Zhmur, Ivanitskaya,  
Kolesnikov).

(CHEST--SURGERY)

BUSALOV, A.A.

Reconstruction of the primary diaphragm (relaxation of the dia-phragm) with a nylon flap. Grud.khir. 1 no.1:110-113 Ja-F '59.

(MIRA 13:6)

1. Institut grudnoy khirurgii, Moskva, Leninskiy prospect, 8.  
(DIAPHRAGM--SURGERY)

BUSALOV, A.A.; BEREZOV, Yu.Ye.; SERGEYEV, V.M.

Problems in chest surgery; report on the Second Session of  
the Institute of Chest Surgery of the Academy of Medical  
Sciences of the U.S.S.R. Grud.khir. 1 no.2:120-126. Mr-Ap  
'59. (MIRA 16:7)  
(CHEST-SURGERY)

BUSALOV, A.A.

NESTEROV, A.I. (Moskva); TUSHINSKIY, M.D. (Leningrad); GOREV, N.N. (Kiyev);  
DOLGO-SABUROV, B.A. (Leningrad); ZAKUSOV, V.V. (Moskva); MUROMTSEV, S.N.  
(Moskva); CHUMAKOV, M.P. (Moskva); ZHDANOV, V.M., prof. (Moskva);  
NEGOVSKIY, V.A., prof. (Moskva); BIRYUKOV, D.A. (Leningrad);  
LITVINOV, N.N., prof. (Moskva); SOKOLOVA-PONOMAREVA, O.D. (Moskva);  
KUPALOV, P.S. (Leningrad); BATKIS, G.A. (Moskva); KOSYAKOV, P.N.,  
prof. (Moskva); SHMELEV, N.A. (Moskva); BUSALOV, A.A., prof.  
(Moskva); MOLCHANOVA, O.P. (Moskva); STRASHUN, I.D.; BLOKHIN, N.N.  
(Moskva); PREOBRAZHENSKIY, B.S. (Moskva); VISHNEVSKIY, A.A. (Moskva)  
CHERNIGOVSKIY, V.N. (Moskva); PAVLOVSKIY, Ye.N., akademik (Leningrad);  
MYASNIKOV, A.L. (Moskva); VINogradov, V.N. (Moskva); MAYEVSKIY, V.I.:  
DAVYDOVSKIY, I.V. (Moskva); IOFFE, V.I. (Moskva); KURASHOV, S.V.:  
ANOKHIN, P.K. (Moskva); BOGDANOV, I.D. (Kiyev); ZIL'BER, L.A.  
(Moskva); BRONOVITSKIY, A.Yu.; CHEBOTAREV, D.F., prof.

Debate on the address by Professor V.V.Parin, academician  
secretary of the Academy of Medical Sciences of the U.S.S.R.;  
abridged comments by members of the Academy of Medicine and  
the directors of institutes. Vest.AMN SSSR 14 no.8:19-31  
'59. (MIRA 12:11)

1. Deystvitel'nyye chleny AMN SSSR (for Nesterov, Tushinskiy,  
Gorev, Zakusov, Kupalov, Strashun, Preobrazhenskiy, Vishnevskiy,  
Chernigovskiy, Myasnikov, Vinogradov, Anokhin, Zil'ber).  
(Continued on next card)

NESTEROV, A.I.----(continued) Card 2.

2. Chleny-korrespondenty AMN SSSR (for Dolgo-Saburov, Chumakov, Zhdanov, Biryukov, Sokolova-Ponomareva, Batkis, Shmelev, Molchanova, Blokhin, Ioffe, Bogdanov). 3. Direktor Instituta gerontologii AMN SSSR (for Gorev). 4. Direktor Instituta farmakologii i khimioterapii AMN SSSR (for Zakusov). 5. Deystvitel'nyy chlen Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk imeni V.I.Lenina (VASKhNIL); direktor Instituta epidemiologii i mikrobiologii imeni Gamalei AMN SSSR (for Murontsev). 6. Direktor Instituta po izucheniyu poliomiyelita AMN SSSR (for Chumakov). 7. Direktor Instituta eksperimental'noy meditsiny AMN SSSR (for Biryukov). 8. Direktor Instituta obshchey i kommunal'noy gigiyeny AMN SSSR (for Litvinov). 9. Direktor Instituta pediatrii AMN SSSR (for Sokolova-Ponomareva). 10. Direktor Instituta virusologii AMN SSSR (for Kosyakov). 11. Direktor Instituta tuberkuleza AMN SSSR (Shmelev). 12. Direktor Instituta grudnoy khirurgii AMN SSSR (for Busalov). 13. Direktor Instituta pitaniya AMN SSSR (for Molchanova). 14. Direktor Instituta eksperimental'noy i klinicheskoy onkologii AMN SSSR (for Blokhin). 15. Direktor Instituta khirurgii AMN SSSR (for Vishnevskiy).

NESTEROV, A.I.---- (continued) Card 3.

16. Direktor Instituta fiziologii AMN SSSR (for Chernigovskiy).
17. Direktor Instituta terapii AMN SSSR (for Myasnikov). 18. Direktor Gosudarstvennogo izdatel'stva meditsinskoy literatury (for Mayevskiy). 19. Vitse-prezident AMN SSSR (for Davydovskiy).
20. Ministr zdravookhraneniya SSSR (for Kurashov). 21. Direktor Instituta infektsionnykh bolezney AMN SSSR (for Bogdanov).
22. Chlen-korrespondent AN BSSR: predsedatel' Uchenogo meditsinskogo soveta Ministerstva zdravookhraneniya BSSR (for Bronovitskiy). 23. Predsedatel' Uchenogo meditsinskogo soveta Ministerstva zdravookhraneniya USSR (for Chebotarev).

(MEDICINE)

BUSALOV, A.A.

Thromboembolic complications in the surgical treatment of  
rheumatic heart disease. Grud.khir. 2 no.2:6-14 Mr-Ap'60.  
(MIRA 16:7)  
1. Iz kafedry fakul'tetskoy khirurgii (zav.-prof. A.A.Busalov)  
pediatriceskogo fakul'teta II Moskovskogo meditsinskogo insti-  
tuta imeni Pirogova. Adres avtora: Moskva, Leninskiy prosp. d.8,  
Institut grudnoy khirurgii AMN SSSR.  
(EMBOLISM) (RHEUMATIC HEART DISEASE) (HEART—SURGERY)

BUSALOV, A.A. (Moskva, ul.Serafimovicha, d.2,kv.269)

Technique of commissurotomy. Grud. khir. 2 no.3:8-15 My-Je '60.  
(MITRAL VALVE—SURGERY) (MIRA 15:3)

BUSALOV, A.A. (Moskva, ul.Serafimovicha, d.2, kv.269); SUVOROVA, T.A.;  
RUDERMAN, A.I.

Our experience in the surgical treatment of some benign  
diseases of the esophagus. Grud. khir. 2 no.4:83-94 Jl-Ag  
(MIRA 15:6)  
'60.

1. Iz fakul'tetskoy kliniki (dir. - prof. A.A. Busalov)  
pediatricheskogo fakul'teta II Moskovskogo meditsinskogo  
instituta imeni N.I. Pirogova.  
(ESOPHAGUS—SURGERY)

BOGOLEPOV, N.K. (Moskva, Kutuzovskiy prospekt, d.10, kv.100); BUSALOV,  
A.A.; YEROKHINA, L.G.; SUVOROVA, T.A.

Pathogenesis of achalasia of the cardia (preliminary report on  
some changes in the nervous system). Grud. khir. 2 no.6:83-91  
N-D '60.  
(MIRA 14:1)

1. Iz kliniki nervnykh bolezney i kliniki fakul'tetskoy khirurgii  
II Moskovskogo meditsinskogo instituta imeni N.I.Pirogova.  
(STOMACH—DISEASES) (NERVOUS SYSTEM)

ABRAMYAN, A.Ya., prof.; BUSALOV, A.A., prof.; VELIKORETSKIY, A.N., prof.; GROZDOV, D.M., prof.; DORMIDONTOVA, K.V., dots.; ZHMAKIN, K.N., prof.; KORNEV, P.G.; LEVIT, V.S. prof. [deceased]; LIKHACHEV, A.G., prof.; LOBACHEV, S.V., prof.; MOLODAYA, Ye.K., prof.; PETROV, B.A.; PRIOROV, N.N. [deceased]; SALISHCHEV, V.E., prof. [deceased]; SAPOZHKOVA, P.I., prof. [deceased]; TERNOVSKIY, S.D. [deceased]; FAYERMAN, I.L., prof., zasl. deyatel' nauki; CHAKLIN, V.D.; CHENTSOV, A.G., prof. [deceased]; CHERNAVSKIY, V., prof.; SHADURSKIY, K.S., prof.; SHAKHBAZYAN, Ye.S., prof.; VELIKORETSKIY, A.N., prof., red.; GORELIK, S.L., dots., red.; YELANSKIY, N.N., red.; STRUCHKOVA, V.I., red.; RYBUSHKIN, I.N., red.; BUL'DYAYEV, N.A., tekhn. red.

[Surgeon's manual in two volumes] Spravochnik khirurga v dvukh tomakh. Moskva, Medgiz. Vol.2. 1961. 642 p. (MIRA 17:4)

1. Chlen-korrespondent AMN SSSR (for Yelanskiy, Struchkova, Petrov, Ternovskiy, Cheklin). 2. Deystvitel'nyy chlen AMN SSSR (for Kornev, Priorov).

BUSALOV, A.A.; KOLYADYUK, I.V.; MIRATOVA, Kh.N.

Surgical treatment of coronary disease. Grud. khir. l no.5:3-9  
S-0 '61. (MIRA 15:3)

1. Iz instituta grudnoy khirurgii AMN SSSR (dir. - prof.  
A.A. Busalov). Adres avtorov: Moskva, Leninskiy prosp., d.8,  
Institut grudnoy khirurgii AMN SSSR.  
(CORONARY HEART DISEASE)

BUSALOV, A. A., (Moskva, ul. Serafimovicha, d. 2, kv. 269).

Postoperative period after commissurotomy. Grud. khir. no. 5:16-25  
'61. (MIRA 15:2)

1. Iz fakul'tetskoy khirurgicheskoy kliniki II Moskovskogo  
meditsinskogo instituta imeni N. I. Pirogova (zav. - prof.  
A. A. Busalov)

(MITRAL VALVE—SURGERY)

*✓*  
BUSALOV, Aleksey Andreyevich; DAMIR, Alim Matveyevich; BOGOSLOVSKIY,  
V.A., red.; PRONINA, N.D., tekhn. red.

[Mitral stenosis from the viewpoint of the therapist and  
the surgeon] Mitral'nyi stenoz v osveshchenii terapevta i khi-  
rurga. Moskva, Medgiz, 1962. 322 p. (MIRA 16:1)  
(MITRAL VALVE--DISEASES)

BUSALOV, A. A. (Moskva, ul. Serafimovicha, d. 2, kv. 269)

Faulty operations in defect of the mitral valve. Grud. khir. no. 2:  
8-16 '62. (MIRA 15:4)

1. Iz kliniki fakul'tetskoy khirurgii (zav. - prof. A. A. Busalov)  
pediatriceskogo fakul'teta II Moskovskogo meditsinskogo instituta  
imeni N. I. Pirogova (dir. - dotsent M. G. Sirotkina)

(MITRAL VALVE—SURGERY)

BUSALOV, A.A. (Moskva), ul. Serafimovicha, d.2, kv.269

Evaluation of late results of surgical treatment of mitral stenosis.  
Grud. khir. 6 no.2:10-17 Mr-Ap '64.  
(MIRA 18:4)

BUSALOV, A.A.; GINZBURG, S.A.; KOGOY, T.F.; SHCHETININA, I.N.; YUDIN, I.Yu.

Clinicoroentgenological and roentgenomorphological comparisons in  
nonspecific ulcerative colitis. Vest. rent. i rad. 39 no.1:3-7  
(KIR 18:2)  
Ja-F '64.

1. Kafedry fakul'tetskoy khirurgii (zav. - prof. A.A. Busalov),  
infektsionnykh bolezney (zav. - deystvital'nyy chlen AMN SSSR  
prof. A.F. Bilibin), patologicheskoy anatomi (zav. - deyst-  
vitel'nyy chlen AMN SSSR prof. I.V. Davydovskiy) i i Moskovskogo  
meditsinskogo instituta imeni Pirogeva.

BUSALOV, A.A., prof.; RED'KO, .M.

Acute cholecyztitis in elderly and senile persons. Trudy Inst.  
im. N.V. Sklif. 9:51-59 '63. (MIRA 18:6)

1. Iz klinik<sup>i</sup> fakul'teteskoy khirurgii 2-<sup>go</sup> Moskovskogo  
gosudarstvennogo meditsinskogo instituta imeni Pirogova  
(dir. kliniki prof. A.A. Busalov) i iz 3-go khirurgicheskogo  
otdeleniya Moskovskoy gorodskoy klinicheskoy bol'nitsy No.1  
imeni Pirogova (glavnnyy vrach - zasluzhennyy vrach RSFSR L.D.  
Chernyshev).

BUSALOV, A.A. (Moskva, ul. Serafimovicha, d.2, kv. 269); PRAKHOV, N.V.

Causes, diagnosis, treatment, and prevention of prolonged apnoea under modern anesthesia; a survey of the Soviet and foreign literature. Grud. khir. 6 no.1:90-96 Ja-F '64.

1. Klinika fakul'tetskoy khirurgii (zav. - prof. A.A. Busalov)  
II Moskovskogo meditsinskogo instituta imeni Pirogova.  
(MIRA 18-11)

BUSALOV, Ye.F., kand.ekonomiceskikh nauk

Organizing the movement of production processes in the manufacture  
of machinery. Vest.mash. 41 no.10:77-80 0 '61. (MIRA 14:10)  
(Factory management)

BUSALAYEVA, N.N.; FEDOSENKO, A.K.

Fleas parasitizing on lesser mammals in the high mountains of the  
Trans-Ili Alatau. Trudy Inst. zool. AN Kazakh. SSR 22:177-183 '64.  
(MIRA 17:12)

KONTOROVICH, P.G.; EUSARKIN, V.M.

O-isolated complexes in a group. Alg. i leg. i no. 334-20 '62  
(MIRA 18:1)

KLEMENT'YEV, Sergey Dmitriyevich; BUSANKINA, N.G., redaktor; KHELEM-SKAYA, L.M., tekhnicheskiy redaktor.

[Extraordinary telegrams] Neobyknovennaia telegramma. Moskva.  
Gos. izd-vo lit-ry po voprosam sviazi i radio, 1954. 35 p.  
[Microfilm] (MLRA 7:11)  
(Phototelegraphy)

*BUSANKINA, N. G.*

GRIGOR'YEV, Vsevolod Ivanovich; KOSTANYANTS, Boris Aleksandrovich;  
RATNIKOV, August Indrikovich; *BUSANKINA, N.G.*, redaktor;  
KHELEM'SKAYA, L.M., tekhnicheskij redaktor

[Apparatus for subscribers to the telegraph system; information manual] Apparatura abonent'skogo telegrafa; informatsionnyi sbornik. Moskva, Gos. izd-vo lit-ry po voprosam svyazi i radio, 1954. 110 p. Supplement: [Album of the principal circuits] Al'bom printsipial'nykh skhem. 1 v. (unpaged, diagrs.)

1. Russia (1923- U.S.S.R.) Ministerstvo svyazi. Tekhnicheskoye upravleniye.  
(Telegraph-Aparatus and supplies)

GRODNEV, Igor' Izmaylovich; SOKOLOV, Vasiliy Vasil'yevich; NOVIKOV, V.A.,  
redaktor; ~~BUSANIKHIN, N.O.~~, redaktor; KHEILOVSKAYA, L.M., tekhnicheskiy redaktor.

[Coaxial cables] Koaksial'nye kabeli. Moskva, Gos. izd-vo lit-ry  
po voprosam sviazi i radio, 1954. 225 p.[Microfilm](MIRA 8:2)  
(Electric cables)

BRANKOVSKIY, Vladimir Ivanovich; OGANOV, S.I., redaktor; BUSANKINA, N.G.,  
redaktor; SOKOLOVA, R.Ya., tekhnicheskiy redaktor.

[Reinforced concrete supports for communication lines] Zhelezo-  
betonnye pristavki na liniakh sviazi. Moskva, Gos.izd-vo lit-ry  
po voprosam sviazi i radio, 1955. 11 p. (MLRA 8:11)  
(Reinforced concrete construction) (Telephone lines--Poles)

SHTAGER, Valeriy Vital'yevich; POPOVA, N.E., redaktor; BUSANKINA, N.G.,  
redaktor; SOKOLOVA, R.Ya., Tekhnicheskiy redaktor.

[Band limiters and expanders and their application to telecommunication]  
Szhimateli-rasshiriteli i ikh primenie v tekhnike dal'nei  
sviazi i radio, 1955. 58 p.  
(MLRA 9:4)  
(Telecommunication--Equipment and supplies)

BUSANKINH, N. G.

BAYEV, Nikolay Aleksandrovich; UDALOV, Aleksandr Petrovich; KOSHCHYEV,  
I.A., redaktor; BUSANKINA, N.G., redaktor; SOKOLOVA, R.Ya., tekhnicheskiy redaktor

[Lectures on concentrated element circuit theory] Lektsii po teorii tsepej s sosredotochenymi elementami. Moskva, Gos.izd-vo lit-ry, po voprosam svissi i radio, 1955. 275 p. (MLRA 8:9)  
(Electric circuits)

*BUSANKINA, N.G.*

AMARANTOV, V.N., otvetstvennyy redaktor; BUSANKINA, N.G., redaktor;  
FIRSOVÀ, A.G., tekhnicheskiy redaktor.

[Communication engineering: NT-ChM-4 apparatus for supersonic  
telegraphy and intermediate apparatus for voice-frequency telegraphy;  
manual of instruction] Tekhnika sviazi: Apparatyra nadtonal'nogo  
telegrafirovaniia NT-ChM-4 i promezhutochnaia apparatura tonal'nogo  
telegrafirovaniia; informatsionnyi sbornik. [Moskva] Sviaz'isdat,  
1957. 86 p. (MIRA 10:11)

1. Russia (1923- U.S.S.R.) Ministerstvo sviazi. Tekhnicheskoye  
upravleniye.

(Telegraph)

KREBI, V.I., otvetstvennyy red.; BUSANKINA, N.G., red.; MAZEL', Ye.I..  
tekhn.red.

[New types of start-stop telegraph operations; a pamphlet of  
special information] Novye tipy telegrafnykh startstopnykh  
apparatov; informatsionnyi sbornik. Moskva, Gos. izd-vo lit-ry  
po voprosam sviazi i radio, 1957. 50 p. (MIRA 11:5)

1. Moscow. TSentral'nyy nauchno-issledovatel'skiy institut  
svyazi.  
(Teletype)

BUSANKINA, N.G.

ORLOVSKIY, Yevgeniy Loginovich; KISEL'GOF, B.Z., otvetstvennyy red.;  
BUSANKINA, N.G., red.; MAZEL', Ye.I., tekhn.red.

[Theoretical principles of phototelegraphy] Teoreticheskie  
osnovy fototelegrafirovaniia. Pod red. B.Z. Kisel'gofa. Moskva,  
Gos. izd-vo lit-ry po voprosam sviazi i radio, 1957. 781 p.  
(MIRA 11:1)  
(Phototelegraphy)

BOVKUN, Viktor Georgiyevich; KAZARINOV, Ivan Alekseyevich; KOKOSHKIN,  
Pavel Aleksandrovich; LYUBSKIY, Gennadiy Severianovich; MEDOVAR,  
Anatoliy Isayevich; PETROV, Viktor Vasil'yevich; PIONTKOVSKIY,  
Bronislav Aleksandrovich; SERYAKOV, Nikolay Ivanovich; ELINSON,  
Mikhail Mikhaylovich; SERGEYCHUK, K.Ya., red.; GRIGOR'YEV, B.S.,  
red.; FORTUSHENKO, A.D., red.; BUSANKINA, N.G., red.; SHEFER, G.I.,  
tekhn. red.

[Engineering manual on electric communications; electric equipment]  
Inzhenerno-tekhnicheskii spravochnik po elektrosviazi;  
elektrostanovki. Moskva, Gos. izd-vo lit-ry po voprosam sviazi  
i radio, 1962. 671 p. (MIRA 15:6)

(Telecommunication--Handbooks, manuals, etc.)  
(Electric engineering--Handbooks, manuals, etc.)

BUSANKINA, N.G., red.; ROMANOVA, S.F., tekhn. red.

[Standard design for constructing UATS-50/100 rural step-by-step telephone exchange systems] Tipovoi proekt na stroitel'stvo stantsionnykh sooruzhenii sel'skikh dekadno-shagovykh stantsii tipa UATS-50/100 (okonechnoi - emkost'iu 50 No.No. i uzlovykh - emkost'iu 50 i 70-80 No.No.) Moskva, Sviaz'izdat, 1962. 78 p.  
(MIRA 16:2)

1. Moscow. Gosudarstvennyy institut po izyskaniyam i projektirovaniyu sooruzheniy svyazi.

(Telephone)

PIONTKOVSKIY, Bronislav Aleksandrovich; LYUBSKIY, G.S., otv. red.;  
BUSANKINA, N.G., red.; ROMANOVA, S.F., tekhn. red.--

[Decreasing voltage fluctuations in the power supply systems  
of telecommunication apparatus] Pul'satsiia napriazheniya  
elektropitaiushchikh ustyanovok sviazi i sposoby ee snizheniya.  
Moskva, Sviaz'isdat, 1963. 55 p. (MIRA 16:5)  
(Telecommunication--Equipment and supplies)  
(Electric power supply to apparatus)

IVANOVA, Ol'ga Nikolayevna; BUSANKINA, N.G., red.; TRISHINA, L.A.,  
tekhn. red.

[Electronic commutation and elements of programming in  
automatic telephony] Elektronnaia kommutatsiia i elementy  
programmirovaniia v avtomaticheskoi telefonii. Moskva,  
Sviaz'izdat, 1963. 223 p. (MIRA 16:8)  
(Telephone, Automatic)

GRODNEV, I.I.; GUMELYA, A.N.; KLIMOV, M.A.; SERGIYCHUK, K.Ya.;  
SHVARTSEMAN, V.O.; BUSANKINA, N.G., red.; VOLOD'KO, K.Ya.,  
V.Ye., red.

[Engineering and technical manual on electrical communication; cable and overhead communication lines] Inzhenerno-tekhnicheskii spravochnik po elektrosviazi; kabel'nye i vezdushnye liniyi sviazi. Izd.2., perer. i dop. Moscow, Sviaz', 1964. 631 p. (MIL 17:11)

ACC NR: AR7001776

SOURCE CODE: UR/0196/66/000/010/A006/A006

AUTHOR: Busargin, V. M.; Kondratovich, A. A.

TITLE: Calculation of induced potentials outside of spheroids in stationary uniform fields

SOURCE: Ref. zh. Elektrotehnika i energetika, Abs. 10A43

REF SOURCE: Tr. Frunzenskogo politekhn. in-ta, vyp. 18, 1965, 9-16

TOPIC TAGS: electrostatic field, electric field, magnetostatic field, hydrodynamic field, induced potential

ABSTRACT: Formulas are derived in Cartesian coordinates for calculating the potential outside of a spheroid when the latter is placed in an originally uniform electrostatic, electric, magnetostatic, or hydrodynamic field. A picture is presented of potential isolines outside a flattened spheroid having an eccentricity of 0.972, 0.984, and 0.995, when the external field is directed in parallel to the major axis of the spheroid. The formulas are derived from the known Laplace equation for the specific problem: determination of the electrical potential outside of a spheroid made of a material with conductivity  $\sigma_1$  and placed in a medium with conductivity  $\sigma_2$ , in the presence of an external constant uniform electric field with intensity  $E_0$ . The

Card 1/2 UDC: 537.213.001.24

ACC NR: AR7001776

similarity of induced fields outside the conductive and dielectric spheroids, when the initial field is parallel to any one of the spheroid's major axes, is noted. The similarity factor depends on the value of eccentricity. Three illustrations and a bibliography of 2 titles are included. Yu. Chalisov. [Translation of abstract]

[DW]

SUB CODE: 20

Card 2/2

BUSARKIN, V.M.

Structure of isolated subgroups in finite groups. Alg. i log.  
4 no. 233-50 '65. (MIR 188)

BUSARKIN, V.M.; STAROSTIN, A.I. (Sverdlovsk)

Splittable locally finite groups. Mat. sbor. 62 no.3:275-294 N  
'63. (MIR 16:11)

BUSARKIN, V.M.

Perfectly decomposable groups with commutative decomposition  
bases. Mat. zap. Ural. mat. ob-vn UrGu 4 no.1:18-21 '63.  
(MJRA 17:9)

BUSARKIN, V.M.; STAROSTIN, A.I.

Finite indecomposable groups, all subgroups of which have  
abelian decomposition. Mat. zap. Ural. mat. ob-va UrGu 4  
no.1:22-31 '63. (MIRA 17:9)

BUSARKIN, V.M.; STAROSTIN, A.I.

Finite groups, all characteristic subgroups of which display  
nilpotent splitting. Izv. AN SSSR Ser. mat. 29 no.1:97-108  
'65. (MIRA 18:4)

BUSARKIN, V.M.

Frobenius groups. Mat. zap. Ural. mat. ob-va UrGu 3 no.1:  
51-53 '61. (MIRA 19:1)

KONTOROVICH, P.G.; BUSARKINA, L.R.; SHUMIKHINA, N.A.

Some set-theoretical partitions of bodies. Mat. zap. Ural.  
mat. ob-na UrGu 4 no.1:49-56 '63.

(MIRA 17:9)

BUSARKINA, L.R.

Single step rings with nilpotent generators. Mat. zap. Ural. mat. ob--va  
GU 3 no.3:25-29 '62. (MIRA 18:7)

BUSAROV, N.

BUSAROV, N.

23459 PROTIV UPRCSHCHENCHESTVA V ORGANIZATSII TRUDA V KOLKHOZNOM SADCVODSTVE. -  
AVT: P. DUBROVA, A. NOVIKOV, A. MALIN I N. BUSAROV. SAD I OGOROD  
1949, NO. 7, C. 11-17  
SO: LETOPIS' NO. 31, 1949

ALTAYSKIY, I.P., kand. sel'khoz. nauk: CHESHKOV, A.F., kand. ekon. nauk; MALIN, A.S., kand.ekon. nauk [deceased]; BOROVSKIY, V.A., kand. ekon. nauk; AREF'YEV, T.I., kand. ekon. nauk; GLINYANYY, V.G., kand. ekon. nauk; FRAYER, S.V., kand. sel'khoz. nauk; VINTAYKIN, Z.P., kand. ekon. nauk; DUDOROV, I.T., kand. ekon. nauk; BUSAROV, N.A., kand. sel'khoz. nauk; LUK'YANOV, A.D., kand. sel'khoz. nauk; RAKITINA, Ye.D., red.; SOKOLOVA, N.N., tekhn. red.

[Production brigades on collective and state farms] Proizvodstvennye brigady v kolkhozakh i sovkhozakh. Moskva, Sel'khozizdat, 1963. 374 p. (MIRA 17:1)  
(Farm management)

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307710015-7

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307710015-7"

KOLOBNEV, I.F.; BUSAROV, V.M.; SHVYREVA, L.V.

Heat-resistant, silumin-type alloy for internal combustion  
engine pistons. Alium. splavy no.1:33-40 '63. (MIRA 16:11)

BURCHAKOV, A.S., prof.; VOROB'YEV, B.M., dotsent; AVDULOV, P.V., aspirant; SHORIN, V.G., prof.; LIKHTERMAN, S.S.; BUSAROV, Yu.F.

Experimental application of network planning in operating mines. Ugol' 40 no.11:44-47 '65. (MIRA 18:11)

1. Moskovskiy institut radioelektroniki i gornoj elektromekhaniki (for Burchakov, Vorob'yev, Avdulov, Shorin). 2. Glavnnyy inzh. shakhty No.1 "Bibikovskaya" (for Likhterman). 3. Pomoshchnik glavnogo inzhenera shakhty No.1 "Bibikovskaya" (for Busarov).

Busarov, Yu. P.

AUTHORS: Sudarikov, B. N. and Busarov, Yu. P.

78-3-33/35

TITLE: Behaviour of Pentavalent Niobium to Salicylic and Sulphosalicylic Acids. (Otnosheniye pyativalentnogo niobiya k salitsilovoy i sul'fosalitsilovoy kislotam.)

PERIODICAL: Zhurnal Neorganicheskoy Khimii, 1957, Vol.II, No.3, pp. 702-703. (USSR)

ABSTRACT: In this investigation the behaviour of niobium sulphate towards salicylic acid and ammonium salicylate, and also of niobium sulphate, chloride and oxalate to sulphosalicylic acid and to ammonium sulphosalicylate has been investigated. There is 1 table and 1 Slavic reference.

ASSOCIATION: Moscow Chemical-Technological Institute, imeni D. I. Mendeleyev. (Moskovskiy ordena Lenina Khimiko-Tekhnologicheskiy institut im. D. I. Mendeleyeva)

SUBMITTED: 13 December, 1956.

AVAILABLE: Library of Congress.  
Card 1/1

BUSATLIJA, Ibrahim

A new concept of the origin of the Plevlje Hollow relief.  
Geogr progl 6:39-52 '62.

BUSATTO, Ante, inz.

The Split Hydroelectric Power Plant in the first year of its activity.  
Energija Hrv ll no.ll/12:381-382 '62.

1. Hidroelektrane na Cetini, Split.

BURLUI, Ada; OLARIU, Ana; BUSCA, Victor; CIRNARU, Stela

Should the prognosis of malignant congenital osteo-petrosis be  
revised? Reumanian M Rev. no.3:42-48 '61.  
(OSTEOPETROSIS in inf. & childh.)  
(INFANT NEWBORN diseases)

BUSCH, K.F., prof. dr. inz.

Tasks of the water resources management in the German Democratic Republic. Vodni hosp 15 no.2:89-91 '65.

1. Institute of Water Resources Management of the Higher School of Technology, Dresden.

BUSE, V.J.

Hole flanging method in the stamping process of parts manufacture. Metallurgy  
and Machine Construction, #3:33:Mar. 55

HYUSHGENS, L.S. [Buschgens, L.S.]; IROV, N.I.

On the publication of the "Political and economic atlas of the world" in Hungary. Izv. AN SSSR. Ser.geog. no.1:124-129 Ja-P  
'63. (MIRA 16:2)  
(Hungary--Cartography) (Atlases)

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307710015-7

BIRTA, Emeric, prof. (Brasov); BOSE, Liubovia, prof. (Craiova); GOERGESCU,  
Elena, prof. (Brasov); MARGESCU, Constantin, prof. (Lehliu)

Geographical games. Natura Geografie 17 no.1+71-74 Ja-F '65.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307710015-7"

RUSE, V. D.

Combined Matrix for Stamping of Button Disks of Rotary Circuit Breakers.  
Electrotehnica (Electrical Engineering), #4:160: Apr 55

BUSEK, Josef

Shall we change the method of payment of railroad freight rates?  
Doprava no. 3:98-99 '62.

*use J.*

3313. NEW INSTRUMENT FOR UNDERGROUND COMMUNICATIONS. Basiek, J.  
(Przegl. Gosp. (Min. Rev.), June 1953, vol. 9, (Jul.) 11; AUSZUG IN  
Gluckauf, 1954, vol. 50, 337; and in Colliery Engng, Feb. 1954, vol. 31, 24).  
Contact can be maintained by means of the portable underground telephone  
described between rescue teams and control posts on the surface several  
kilometres distant. It consists of a microphone, headphones and an aluminium  
box measuring 3 x 6 x 5 cm which can be attached to the wearer's belt and  
contains a potentiometer and two plugs. (L).

*✓ f*

BUSEK, J.

Dynamometers for measuring rock pressure. Biuletyn GLOW.

p. 15 (Przeglad Gorniczy. Vol. 12, no. 7/8, July/Aug. 1956. Katowice, Poland)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2,  
February 1958

BUSAK, Josef

Renovation with epoxy glues. Vele s deprezna 12 no. 264-9 P'64

1. Ceskoslovenske automobilove opravny, Liberec

BUSEK, Josef

Mass repair of injection nozzles. Siln doprava 11 no.4:8-9  
Ap '63.

1. Ceskoslovenske automobilove opravny, n.p., Liberec.

BUSEK, Josef

Our goal is to reduce the work in automobile part repair.  
Automobil Cz 7 no.10:324-325 0 '63.

1. Ceskoslovenske automobilove opravny, Liberec.

BUSEK, Josef

Reconditioning of roller bearings. Stroj vyr 12 no.1:  
10-12 Ja'64.

1. Ceskoslovenske automobilove opravny, Liberec.

KUZ'MINOVA, M.L.; SLAVINA, Kh.M.; ZHDANOVA, L.D.; PLETNEVA, O.G.;  
BUSEL', A.L.; MULOKANDOV, B.P.

Etiological significance of certain serological types of  
Escherichia coli in dyspepsia. Med. zhur. Uzb. no.4:20-24  
Ap '60. (MIRA 15:3)

1. Iz kishechnogo otdela Instituta vaktzin i syvorotok i  
kafedry pediatrii Tashkentskogo gosudarstvennogo instituta  
usovershenstvovaniya vrachey i Tashkentskogo gosudarstvennogo  
meditsinskogo instituta.

(ESCHERICHIA COLI)  
(DYSPEPSIA)

MEL'NIKOV, A.M.; BUSEL, G.F.

New data on the oil potential of Tournai sediments in the Tatar  
A.S.S.R. Geol. nefti i gaza 9 no.9:13-15 S '65. (MIRA 18:9)

1. Gosudarstvennyy geologo-razvedochnyy trest neftyanoy i gazovoy  
promyshlennosti Tatarskoy ASSR.

35658

S/061/62/000/008/049/057  
B166/B161

15. 8/21

AUTHCRS: Buser, Karl, Heidinger, Werner

TITLE: A method of producing modified epoxy resins with increased impact strength

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 8, 1962, 572, abstract SP164 (Pat. G. D. R. 20078, Oct 11, 60)

TEXT: The epoxy resin is mixed with liquid methyl-substituted allyl glycidyl ether and the mixture obtained is cured with the aid of an ordinary curing agent, preferably diethylene triamine. The modified epoxy resins of enhanced impact strength thus obtained, can be used for the undercoating and coating of wood as well as for cementing metals and various plastics. For example, 83.34 parts by weight epoxy resin, obtained from n,n'-dihydroxy diphenylpropane and epichlorohydrine (in a ratio of 1:2) and containing on an average 1.45 epoxy groups in a molecule (average mol. wt. 525<sup>0</sup>), softening point 46°, are heated to melting point, diluted with 16.66 parts by weight methallyl glycidyl ether with a formula  $\text{CH}_2\text{C}(\text{CH}_3)\text{CH}_2\text{OCH}_2\text{CHCH}_2\text{O}$  and stirred until a uniform mass is obtained; 9 parts by weight diethylene

Card 1/2. *X*

S/061/62/000/008/049/057  
B166/B161

A method of producing ...

triamine are then added; the mixture obtained is poured into moulds and left to stand for 18 hours at  $\sim 20^{\circ}$ , after which it is allowed to cure for another 2 hours at  $100^{\circ}$  and a moulded article is obtained with a specific impact strength of  $20.6 \text{ kg cm/cm}^2$ . When allyl glycidyl ether is used the specific impact strength of the article is only  $12.6 \text{ kg cm/cm}^2$ . The Martens form stability and static bending moment are approximately the same in both cases. [Abstracter's note: Complete translation.]

Card 2/2

MARUSHIAK, I. [Marusiaak, I.]; BURESH, Y. [Buses, J.]

Use of the curve of gradient of internal potentials for  
determining the thickness of layers. Prace ust naft 18:40  
'61.

BUSESCU, M.

NASTA, M., Acad.; BUSESCU, M.; RODESCU, M.; TATOMIR, A.

The lymphadenobronchial fistula in the elder child & during puberty  
& adolescence. Rumanian M. Rev. 1 no.4:27-32 Oct-Dec 57.

(LYMPH NODES, fistula

lymphadenobronchial fistula as manifest. of primary  
pulm. tuberc. in puberty & adolescence)

(BRONCHI, fistula

same)

(TUBERCULOSIS, PULMONARY, in inf. & child  
primary, lymphadenobronchial fistula as manifest. in  
puberty & adolescence)

BUSAROV, A. V. et al. (V. A. Busarov, et al.)

Reduction of penta- and hexavalent molybdenum from hydrochloric acid solutions with oxygen-containing solvents.  
Vest. Mosk. un. Ser. 2 Khim. 20 no.4:69-72 Jl-Ag '65.  
(VIRA 18:10)

I. Kafedra analiticheskoy khimii Moskovskogo gosudarstvennogo  
universiteta.

L 00039-66 EWT(m)/ETC/EWG(m)/EWP(t)/EWP(b)/EWA(h) IJP(c) RDW/JD  
ACCESSION NR: AP5023711 UR/0075/65/020/008/0812/0814  
543.43 : 543.70

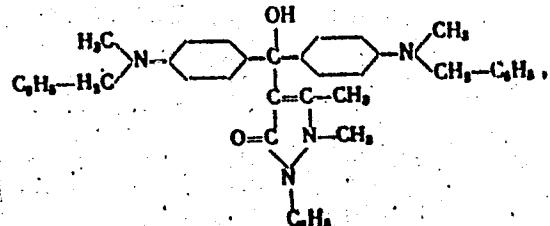
AUTHOR: Busev, A. I.; Tiptsova, V. G.; Bogdanova, Ye. S.; Andreychuk, A. M.

TITLE: Photometric determination of antimony impurities in tellurium

SOURCE: Zhurnal analiticheskoy khimii, v. 20, no. 8, 1965, 812-814

TOPIC TAGS: antimony, tellurium, photometric analysis, dye chemical antimony compound

ABSTRACT: The antipyrine dye 4,4'-bis(N-methyl-N-benzylaminophenyl)antipyryl-carbinol



Card 1/2

L 00039-66  
ACCESSION NR: AP5023711

reacts with  $SbCl_6^-$  ions to form a complex which can be completely extracted with benzene or toluene and has an absorption maximum at 585-590  $\mu\mu$ . This reagent was used to determine microgram quantities of antimony in tellurium. Prior to the analysis, the two metals must be separated; the separation is based on the difference in the redox potentials  $Sb(III)Sb^0$  and  $Te(IV)Te^0$ , which permits the selective and quantitative reduction of  $Te(IV)$  with a mixture of sulfite and hydroxine to the elemental state, while  $Sb(III)$  remains in solution. If the antimony content is less than  $5 \times 10^{-4}$  % Sb, the weight of the sample must be increased to 1 g, but since the precipitation of tellurium would trap some of the antimony, it is necessary to concentrate the latter prior to the analysis. To this end, use was made of coprecipitation of antimony with telluric acid. The absolute sensitivity of the method is 0.2  $\mu$ g Sb in 5 ml of benzene, which for a 1 g sample amounts to  $2 \times 10^{-3}$  %. Orig. art. has: 2 tables.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova (Moscow State University); Moskovskiy institut stali i splavov (Moscow Institute of Steel and Alloys)

SUBMITTED: 09Feb65  
NO REF Sov: 000

ENCL: 00  
OTHER: 000

SUB CODE: OC, OP

701  
Card 2/2

BUSEV, A. F., IUNINA, V. Ye.

Spectrophotometric determination of scandium with some new derivatives of 8-quinolinal. Zhur. anal. khim. 20 no. 10(1069) 1972 '65.  
(MIR 18(11))

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova  
i Nauchno-issledovatel'skiy institut po problemam Kurskoy  
magnitnoy anomalii imeni L.P. Shevyakova.

BUSEV, A. I.

תג 28/הנתק

**USSR/Chemistry - Manganese, Detergent Chemistry - Analysis, Potentiometric**

Chemistry - Page 11 of Manganese in

## Determination of Manganese, Nichrome, and High Resistivity Materials

Manganese Ore, Refining. A. I. Busov, Far East

THE JOURNAL OF CLIMATE AND APPLIED CLIMATE SCIENCE  
Vol. XIV, No. 10

"Zavod lab" Vol XIV, no. 1  
Oxidizes bivalent manganese, permanganates in a neutral pyrophosphate solution, to trivalent. Reaction proceeds strictly stoichiometrically, based on action proceeds strictly stoichiometrically, based on potentialometric noncompensation method, accurate this reaction, permits easy, quick and accurate

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**USSR/Chemistry - Manganese, Determination of  
(Contd.)**

Oct 48

determination of manganese content in manganese ore, ferromanganese, high chrome and other steel, nichrome and other materials. Method is changed for determining other manganese. Does not show effect of from 0.1% to 90% manganese, chlorides, molybdenum, tungsten, aluminum, zinc, copper, and other metals in results.

28/641

1949  
SSR/Chemistry - Ruthenium  
Chemistry - Osmium, Determination of

"The Determination of Osmium in the Presence of  
Ruthenium with the Aid of Thiocarbamide and Diethyl-  
dithiophosphoric Acid," A. I. Busev, Lab Anal Chem,  
Far East Polytech Inst, Vladivostok, 5 pp

"Zhur Analit Khimi" Vol IV, No 1, PP 49-53.

Found simple and reliable method to determine various  
quantities of osmium in presence of ruthenium without  
separating them. Experimental results are: (1) Thio-  
carbamido complex of osmium does not react with di-  
ethyldithiophosphoric acid; thiocarbamide complex of  
ruthenium reacts quantitatively with diethyldithio-  
phosphoric acid, and forms an internal bond; (2) pres-  
ence of iridium, palladium, platinum, gold, iron, and  
copper did not interfere in the process. Submitted  
3 Nov 47.

BUSEV, A. I.

29/49T15

CD

7

Detection of molybdenum with diethyldithiophosphoric acid. A. I. Busev (Far Eastern Polytech. Inst.). *Zhur. Anal. Khim.* 47, 234-6 (1949); cf. *C.A.* 43, 7866a.—The test depends on the color that results when a drop of soln. contg.  $\text{MoO}_4^{2-}$  reacts with diethyldithiophosphoric acid (I) in the presence of considerable HCl,  $\text{H}_2\text{SO}_4$ , or  $\text{H}_3\text{PO}_4$ . To a little of the soln. to be tested add an equal vol. of concd. HCl or  $\text{H}_2\text{SO}_4$ , mix, and add about 1 ml. of a 0.5 M or stronger soln. of I.  $\text{Fe}^{2+}$  interferes and must be reduced. W slowly forms a blue color, and if much is present, it should be kept in soln. by adding concd.  $\text{H}_3\text{PO}_4$ . M. Hosek

BUSEV, A.I.

PA149T12

USSR/Chemistry - Analysis, Quali- Sep/Oct 49  
tative  
Arsenic, Analysis

"Note on the Precipitation of Pentavalent  
Arsenic With Hydrogen Sulfide in Systematic  
Qualitative Analysis," A. I. Busev, O. K.  
Kalishevich, Lab of Anal. Chem., Far Eastern  
Polytech Inst, Vladivostok, 2 pp

"Zhur Anal Khim" Vol IV, No 5, p. 817-8.

Addition of small quantity of iodine is suggested  
for more efficient precipitation of arsenic from  
diluted hydrochloric acid. Submitted 17 May 48.

149T12

*CA*

7

Colorimetric determination of bismuth in lead with thiourea. A. I. Bushev and N. V. Kurets. Zashchita pri Lab. 15, 30-4 (1939). The colored complex of Bi with thiourea is stable and obeys Beer's law. Dissolve 1 g. of sample (if Bi is 0.005-0.05%) or 10 g. (if less Bi is present) in hot 1.5 N HNO<sub>3</sub>. Remove most of the HNO<sub>3</sub> by evapn. (not to dryness), add water, neutralize with 2 N Na<sub>2</sub>CO<sub>3</sub> until cloudy, add 4-5 ml. in excess,

boil 1-2 min., filter, and transfer the unwashed ppt. back to the original flask. Dissolve the ppt. in 3 N HNO<sub>3</sub> and add 1-2 g. tartaric acid (if much Sb is present). Treat the soln. with 5 ml. of 10% thiourea soln., filter if necessary, and measure the yellow soln. in a photometer at 436  $\mu$ . G. M. Kopolapoff

ASLIB METALLURGICAL LITERATURE CLASSIFICATION

BUSEV, A. I.

58/49T34

USSR/Chemistry - Manganese  
Metals - Alloys

May 49

"Potentiometric Determination of Manganese in Nonferrous Alloys," A. I. Busev, N. I. Dimitriyeva, Far Eastern Polytech Inst, 3 pp

"Zavod Lab" Vol XV, No 5, pp 515-7

Applies a method previously used to determine manganese in ferrous alloys and manganese ores (A. I. Busev, "Zavodskaya Laboratoriya," Vol XIV, No 10, 1948 [See 28/49T13]). Results obtained were as exact for nonferrous metals as for ferrous metals.

58/49T34

58/49T19

BUSEV, A. I.

USSR/Chemistry - Bismuth  
Chemistry - Lead

May/Jun 49

"Separation of Bismuth and Lead," A. I.  
Busev, Vladivostok, 12 3/4 pp

"Uspek Khim" Vol XVIII, No 3

Reviews six methods for the separation of  
Pb and Bi.

58/49T19

Met. Als.

\*A Double Atomic Group for [Detection of] Molybdenum.  
A. I. Buzov [Doklady Akad. Nauk S.S.R., 1949, 60, (6), 1093-  
1096].—[In Russian]. Some derivatives of dithiophosphoric  
acid were studied systematically to find an atomic group  
whose presence in organic reagents causes them to give  
characteristic and sp. reactions with Mo. To soln. of  
 $(\text{NH}_4)_6\text{Mo}_7$ , of decreasing concentrations, equal vol. of HCl  
were added, followed by saturated aq. soln. of the reagent.

Characteristic crimson colorations were observed in each case,  
due to the formation of co-ordinated complexes, soluble in  
non-polar organic solvents. Other elements gave different  
colour reactions, and it was found that, under the conditions  
used, the formation of a crimson or vermillion colour with  
derivatives of dithiophosphoric acid may be taken as a sp.  
reaction for the detection of Mo. Only Ni gave a colour  
resembling it, but normal amounts of Ni did not interfere.  
The significant group in the reagents is apparently,  $\text{O}_2\text{P}(\text{S})\text{SH}$ .  
The -SH group was shown to be necessary, since replacement  
of H by methyl renders the compound incapable of giving  
the colour reactions. The sensitivity is not affected by  
increasing mol. wt. of the reagent, but decreases with its  
decreasing solubility in water. Although most derivatives  
of dithiophosphoric acid can be used for this reaction, the  
best seem to be the diethyl and diaryl derivatives. Min.  
concentration of reagent is 1 : 100,000. W, U, Y, Ti, Fe,  
and many other elements, at 100 times greater concentration  
than the Mo, do not interfere.—Z. S. R.

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Potentiometric Determination of Manganese in Ferro-Vanadium and Vanadium-Rich Steels. A. I. Busov and N. I. Dmitrieva. (Zavodskaya Laboratoriya, 1950, No. 1, 29-31). VOL 16  
[In Russian]. An analytical method is described for preparing materials containing over 0.3% of vanadium for potentiometric determination of manganese. Manganese is precipitated as the dioxide from a solution of manganese. Manganese is added to the sample. The precipitate is dissolved, and ammonium is added to the solution of sodium pyrophosphate and carried out after the addition of the appropriate pH. Typical results are given, and these agree well with those of other methods. -8, x.

BUSEV, A. I.

RA 107107

USSR/Metals - Aluminum Alloys  
Bismuth

Jan 50

"Determination of Bismuth in Aluminum Alloys,"  
A. I. Busev, 1 p

"Zavod Lab" Vol XVI, No 1, PP 103-4.

Describes simple, quick, and precise method for determining bismuth in aluminum alloys containing copper and lead also. Analysis takes approximately half the usual time, since it is not required to separate bismuth from lead, copper, and other metals. Method may be applied to any aluminum alloy. Nickel and manganese do not interfere with determination of bismuth.

159T55